

09/07/20, 210

## EAST Search History

| Ref # | Hits  | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|---|------------------|---------|------------------|
| L1    | 1     | ("6154450").PN.  | USPAT   | OR               | OFF     | 2006/05/15 08:22 |
| L2    | 1     | ("6501785").PN.  | USPAT   | OR               | OFF     | 2006/05/15 08:22 |
| L3    | 1     | signal with interference with noise with ratio and 2   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/05/15 08:23 |
| L10   | 121   | (atm and tdm) same sar   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/05/15 09:07 |
| L11   | 78    | L10 and @ad<="20010509"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/05/15 09:07 |
| L12   | 21    | translat\$4 with address and L11   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/05/15 09:10 |
| L13   | 2     | ("6760324").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/05/15 09:19 |
| L14   | 19    | ("5621727"   "5742596"  <br>"5757871"   "5790538"  <br>"5790543"   "5805602"  <br>"5812840"   "5870464"  <br>"5892822"   "5897613"  <br>"5900000"   "5940479"  <br>"5940827"   "5940829"  <br>"5940832"   "5953405"  <br>"6233618"   "6374295"  <br>"6426955").PN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR               | ON      | 2006/05/15 10:29 |
| L15   | 18648 | gateway with server  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR               | ON      | 2006/05/15 10:30 |
| L16   | 306   | application and common and auto with service and 15  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR               | ON      | 2006/05/15 10:31 |
| L17   | 1     | (application and common and auto adj3 forward) with service and 15   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR               | ON      | 2006/05/15 10:31 |

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|     |       |  |   |    |    |                  |
|-----|-------|--|---|----|----|------------------|
| L18 | 66    | session with manager with 15   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/05/15 10:32 |
| L19 | 799   | session with manager and 15  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/05/15 10:33 |
| L20 | 54    | country with code and 19   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/05/15 10:33 |
| L21 | 3242  | application with layer and 15  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/05/15 10:33 |
| L22 | 277   | session with manager and 21  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/05/15 10:33 |
| L23 | 11    | country with code and 22   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/05/15 10:35 |
| L24 | 13024 | gateway with service   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/05/15 10:36 |
| L25 | 4035  | gateway with service with 15   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/05/15 10:36 |
| L26 | 41    | gateway with service with<br>application with layer with 15                        | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/05/15 10:50 |
| L27 | 1183  | osi with application and session<br>with layer                                     | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/05/15 10:52 |
| L28 | 247   | 27 and 15  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/05/15 10:53 |
| L29 | 0     | ((media and database and (call<br>with rating with cost)) with<br>manag\$8) and 28 | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/05/15 10:55 |
| L30 | 0     | (media and database and (call<br>with rating with cost)) and 28                    | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/05/15 10:55 |
| L31 | 0     | media and database and call with<br>rating and 28                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/15 10:55 |

## EAST Search History

|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| L32 | 1    | (media and database and call with rating) with gateway with server   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/15 10:57 |
| L33 | 74   | 28 and @ad<="20000317"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/15 10:58 |
| L34 | 3851 | (media or database or (call with rating)) with gateway with server   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/15 10:57 |
| L35 | 56   | 34 and 28  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/15 10:57 |
| L36 | 5    | 35 and @ad<="20000317"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/15 10:58 |
| L37 | 20   | ("4821220"   "4885717"  <br>"4891630"   "4953080"  <br>"5041992"   "5050090"  <br>"5060276"   "5075848"  <br>"5093914"   "5119475"  <br>"5125091"   "5133075"  <br>"5136705"   "5151987"  <br>"5181162"   "5257369"  <br>"5307490"   "5396630"  <br>"5408619"   "5440744").PN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/05/15 11:01 |
| L38 | 7    | platform with session and<br>application with layer with services<br>with gateway  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/05/15 11:02 |
| L39 | 20   | ("4821220"   "4885717"  <br>"4891630"   "4953080"  <br>"5041992"   "5050090"  <br>"5060276"   "5075848"  <br>"5093914"   "5119475"  <br>"5125091"   "5133075"  <br>"5136705"   "5151987"  <br>"5181162"   "5257369"  <br>"5307490"   "5396630"  <br>"5408619"   "5440744").PN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/05/15 12:01 |

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| L40 | 20  | ("4821220"   "4885717"  <br>"4891630"   "4953080"  <br>"5041992"   "5050090"  <br>"5060276"   "5075848"  <br>"5093914"   "5119475"  <br>"5125091"   "5133075"  <br>"5136705"   "5151987"  <br>"5181162"   "5257369"  <br>"5307490"   "5396630"  <br>"5408619"   "5440744").PN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/05/15 12:01 |
| L41 | 13  | ("4463093"   "4688170"  <br>"4718005"   "4815030"  <br>"4815988"   "4914583"  <br>"4937784"   "4975830"  <br>"4992972"   "4999771"  <br>"5062037"   "5073852"  <br>"5101406").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/05/15 14:32 |
| L42 | 140 | gateway with ((application and<br>session) with layer)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/15 14:33 |
| L43 | 0   | ((media and database and (rate<br>with call\$4)) with (manager or<br>server or controller)) and 42   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/15 14:34 |
| L44 | 19  | ((media and database and (rate<br>with call\$4)) ) and 42  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/15 14:35 |
| L45 | 0   | pars\$4 and database and rout\$4<br>and ((country and area) with<br>code) and 42   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/15 14:37 |
| L46 | 32  | pars\$4 and 42   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/15 14:37 |
| L47 | 32  | 46 not 44  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/15 14:37 |

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|     |    |  |                              |    |    |                  |
|-----|----|--|------------------------------|----|----|------------------|
| L48 | 79 | ("4184200"   "4280176"  <br>"4432057"   "4493024"  <br>"4799153"   "4799156"  <br>"4800488"   "4858117"  <br>"4899136"   "5079765"  <br>"5113499"   "5140689"  <br>"5151989"   "5187790"  <br>"5247676"   "5257369"  <br>"5265250"   "5291597"  <br>"5307490"   "5321841"  <br>"5329619"   "5341477"  <br>"5347632"   "5355497"  <br>"5367160"   "5371852"  <br>"5388255"   "5396626"  <br>"5414826"   "5423003"  <br>"5434994"   "5444848"  <br>"5455932"   "5463625"  <br>"5473599"   "5475819"  <br>"5481720"   "5483652"  <br>"5490270"   "5491800"  <br>"5491817"   "5491820"  <br>"5497463"   "5499342"  <br>"5500929"   "5506955"  <br>"5513314"   "5515508"  <br>"5526491"   "5530852"  <br>"5544313"   "5544327"  <br>"5548724"   "5548726"  <br>"5553239"   "5553242"  <br>"5559969"   "5564043"  <br>"5572643"   "5581753"  <br>"5592611"   "5596579"  <br>"5596744"   "5608865"  <br>"5608903"   "5617568"  <br>"5617570"   "5619632"  <br>"5650994"   "5666519"  <br>"5675723"   "5675796"  <br>"5696895"   "5774668"  <br>"5933599"   "5941947"  <br>"5956489"   "5956509"  <br>"6122754").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/05/15 16:43 |
|-----|----|--|------------------------------|----|----|------------------|